

## ABSTRACT

The present invention discloses a center office wideband device with a self-detection function and a method of detecting XDSL ports, where at least one control switch group is provided in the device. The respective XDSL center office ports are connected through the control switch group to outside lines with which remote user devices are connected, and the control switch group receives a control command transmitted from a control system within the device, disconnects any of the XDSL center office ports based upon the control command, and exchanges the outside lines with which two of the XDSL center office ports are connected. Through the control switch group, any of the XDSL center office ports is disconnected, or the outside lines with which two of the XDSL center office ports are connected are exchanged. Thus, upon locating a failed CO port, a normal port within an operative device may be used to replace a CPE with which the failed port is originally outside-connected, and it may be determined whether the failed port results from the port itself or the user side. It is possible to locate and judge the port failure quickly without an additional special test system, and hence the cost can be reduced.

(Fig. 3)